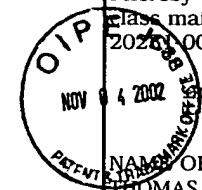


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On 25 October 2002  
Date of Deposit

NAME OF APPLICANT, ASSIGNEE, OR REG. REP.  
THOMAS C. STOVER 22,531

*Thomas* 25 October 2002  
SIGNATURE DATE ATTORNEY'S DOCKET NO  
AFB00500

AMENDMENT TRANSMITTAL LETTER

SERIAL NO. 09/862,788	FILING DATE 18 May 2001	EXAMINER A. Kim	GROUP ART UNIT 2876
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INVENTION  
PLUME DETECTOR

INVENTOR(S)

Mark Ahmadjian et al.

TO THE COMMISSIONER FOR PATENTS

Transmitted herewith is an Amendment

- Small entity status of this application under 37 CFR 1.27 has been established by a verified statement previously submitted.
- A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.
- No additional fee is required.
- The fee has been calculated as shown below

(1)	(2)	(3)	SMALL ENTITY	OTHER THAN A SMALL ENTITY		
CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDIT FEE	OR	RATE ADDIT FEE
TOTAL * MINUS **			x \$ 9 \$		x \$18 \$	
INDEP * MINUS ***			x \$ 42 \$		x \$84 \$	
FIRST PRESENTATION OF MULTIPLE DEP CLAIMS			x \$140 \$		x \$280 \$	
			TOTAL ADDIT. FEE	\$	OR	TOTAL \$

- \* If the entry in Col 1 is less than the entry in Col 3 write "0" in Col 3
  - \*\* If the Highest No Previously Paid for "IN THIS SPACE" is less than 30 enter "30"
  - \*\*\* If the Highest No Previously Paid for "IN THIS SPACE" is less than 3, enter 3
- The Highest No Previously Paid For" (Total or Indep 1 is the highest number found in the appropriate box in Col 1

- Please charge my Deposit Account No. AF 01-0465 in the amount of \$ \_\_\_\_\_.
- A duplicate copy of this sheet is enclosed.
- A check in the amount of \$ \_\_\_\_\_ to cover the filing fee is enclosed.
- The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No AF 01-0465.
  - Any additional filing fees required under 37 CFR 1.16.
  - Any patent application processing fees under CFR 1.17.

25 October 2002  
Date

*Julian L. Siegel*  
JULIAN L. SIEGEL  
Registration No. 22,407  
Intellectual Property Division

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Air Force Invention No. AFB00500

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On 25 October 2002  
(DATE OF DEPOSIT)

Thomas C. Stover 22,531  
NAME OF APPLICANT, ASSIGNEE, OR REG. REP.

S/A  
J. Merley  
11-14-02

T. Stover  
SIGNATURE

25 October 2002  
DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of  
Mark Ahmadjian et al  
Serial No. 09/862,788  
Filed: 18 May 2001  
For: **PLUME DETECTOR**

Group Art Unit: 2876  
Examiner: A. Kim

Honorable Commissioner for Patents  
Washington D. C. 20231

Sir:

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AMENDMENT

In response to the Office Action dated 29 July 2002, please amend the above-identified application as follows:

IN THE CLAIMS

Amend the following claims per the clean copy shown below, as subsequently explained by a marked-up version attached as Exhibit A.